# MorphoAccess® SIGMA Extreme Series BYIDEMIA



Access & Time fingerprint terminal for harsh operating conditions



Withstands strong impacts and resists to vandalism (IKO9 rated)

Time & Attendance and videophone functions

Impermeable to dust and water (IP65 sealed enclosure)

Embedded web server

300,000 templates, 250,000 IDs in authorized user list, 1 Million logs

Prox®, iClass® or MIFARE®/DESFire®/ NFC contactless card reader as an option Fake finger and face detection, duress finger, timed anti-pass back



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### Robust in all aspects





The product enclosure, front and rear, is sealed and impermeable to dust and water.



TOUGH HOUSING

- Very bright capacitive touchscreen, equipped with an ambient light sensor that automatically adjusts the display illumination
   Powerful loudspeaker suited to noisy environments

- Widely deployed in harsh environments (mines, seaports, etc.)



### METICULOUS SEALING

### STURDY WALL MOUNTING

- Thick wall plate (3.5 to 11.4 mm / 0.14 to 0.45 in.), fixed with 6 peripheral screws (economismaded, wise compatible with standard electrical bower.
  Ingenious, symmetrical lift-and-notate opening mechanism enables wer in place melinterance
  4 taised henging print + 2 bottom fastening screws.
  Withstands a load > 50 kg (110 lbs) vertically and horizontally.

## For demanding environments









AIRPORTS





SEAPORTS





THE

POWER PLANTS



CAMPUSES



## TEMPERED GLASS

### ENHANCED MAN MACHINE INTERFACE

- Largest single fingerprint optical sensor on the market (23x23 mm)
   FBI PIV IQS certified

## Rugged and powerful, the MorphoAccess® SIGMA Extreme by IDEMIA is a remarkable addition to the SIGMA Family of fingerprint readers. Based on the same platform as other SIGMA devices, the outdoor MA SIGMA Extreme is specifically designed to operate in difficult environments (dust, salt mist, tough manual workplaces, etc.) and in hanh weather conditions

With the entire SIGMA Family, integrators have a complete range of biometric terminals at their disposal compatible with each other, to secure any kind of use case scenario — whether indoors or outdoors with the Wolds most accurate fingement technology.

## Key features



## World #1 fingerprint technology

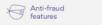
- Morcha fingeprint technology runked #1 by NIST for accuracy
   Extendiable identification capacity: 1:5K (default), 230K, ISOK or 2:000K users, with genuine matching!!

| | Videophone

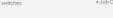
Standard IP-based auton-video interface
 Use cases:
 Call-in function: e.g. employees can quickly report a problem right from the Time Clock
 Surveillance: the terminal can be used by security staff to get pictures remotely from the security post.

1700K identification in less than I second (for frequent users)
 Accuracy maintained regardless of number of users





- Patantad, BSI<sup>III</sup> partified electro-optical Fake Finger Dataction technology (option)
   Face detection and picture logging
   Duries finger option
   Timed anti-pass back function<sup>(2)</sup>
   Banned Authorized user lists
   Tamper switches





## Embedded web server

After connection (via Ethernet or optional WF-Fi to a lisptop, tablet or ameriphone, it enables administrator for .

• Tigger on device enrollment (enrollment on product fautherceen is also evalishe).

• Configure product full settings).

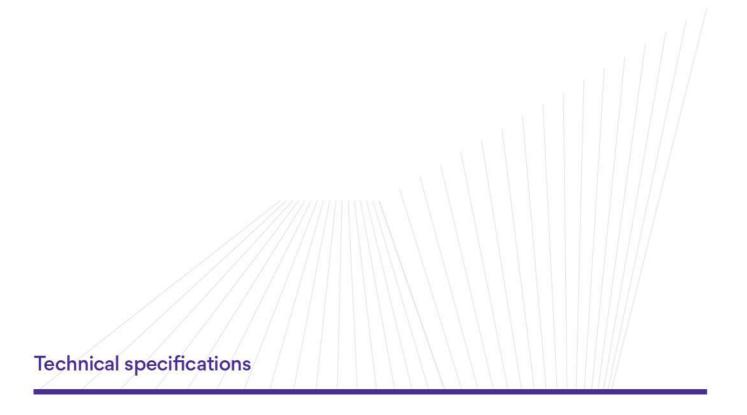
• Get transaction loge.

## Time & attendance functions

- Touchscreen Time Clock, feeturing 16 programmable function keys
   Accesses time slots and holidays scheduling
   Accurate clock in/out records (up to 1 Million logs storage capacity)
   Reaf-time employee notifications



- Proce\*, Class\* or MFARE\*/DESFise\*/NFO\*contacties card reader as an option valication of the state of the stat



- CPU: ARM® Cortex™-A9 core 1GHz
- 5" WVGA color capacitive touchscreen with ambient light sensor
- Front camera for face picture capture and videophone
- · Loudspeaker & microphone
- Audio & video player
- FBI PIV IQS certified optical fingerprint sensor
- Contactless reader options:
- Prox®
- iClass®
- MIFARE®/MIFARE® Plus/DESFire®/ NFC(0)

- Internal storage capacity: 512MB Flash, 1GB RAM + 8GB microSD Card
- 5000 user records (2 fingers + 1 duress each), extendable up to 100,000 with
- 250,000 IDs in authorized user list
- 1 Million transaction logs
- 10,000 face picture logs
- Network/Communication:
- Ethernet, RS485, RS422, USB
- Wi-Fi option
- Inputs/outputs:

Wiegand In & Out (customizable up to 512 bits), OSDP, Door Relay, 3 GPI (including Door monitoring), 3 GPO

· Power supply:

12 to 24 V DC (1A min @12V) Power over Ethernet (PoE) - Compatible with PoE+ switches

- Tamper switches
- · Operating conditions:
- Temperature: -20°C to 60°C (-4°F to 140°F)
- Humidity: 10% to 95% (non condensing)
- Ingress protection: IP65
- Mechanical impact protection: IKO9
- HxWxD = 301\*142\*97 mm(11.85\*5.59\*3.82 in.)
- Weight: ~1.6kg (~3.5 lb.)
- EMC/Safety standards: CE, CB, FCC
- · RoHS, REACh and WEEE compliant

(1) NFC support depends on the model/settings of the smartphone used with the MA SIGMA Extreme device







